

4311

Diag. cnt. No. 8202-2

Form 504

DEPARTMENT OF COMMERCE
U. S. COAST AND GEODETIC SURVEY

State: S. E. ALASKA

11-5613

DESCRIPTIVE REPORT.

Wire Drag Sheet No. 6 4311.

LOCALITY:

~~FAVORITE CHANNEL~~

LYNN CANAL

Vic. of Sentinel I. and Pt. Lena

1923

CHIEF OF PARTY:

J. H. HAWLEY, R. & G. Engr.

4311

DESCRIPTIVE REPORT
TO ACCOMPANY WIRE DRAG SHEET #6.

Lynn Canal.

**

USS EXPLORER.

S. E. Alaska

Season 1923.

This report dated
Dec. 26, 1923.

DESCRIPTIVE REPORT

to accompany Wire Drag Sheet No.6.

This report is made in accordance with Article #13 of Instructions issued to Captain J. H. Hawley, dated February 16, 1923, and Supplemental Instructions dated March 3, 1923.

Location of Work:

This dragging is in two separate localities supplementing requirements of former dragging surveys. The first is at about longitude $134^{\circ} 56' W.$ and latitude $58^{\circ} 32' N.$, or roughly around Poundstone Rock, Favorite Channel, Lynn Canal, S. E. Alaska.

The second is at about longitude $134^{\circ} 47' W.$ and latitude $58^{\circ} 24' N.$ or near point Lena, Favorite Channel, S. E. Alaska.

Poundstone Rock:

This work extended the deep drag of 85 feet, more or less, over the 50 fathoms curve and as close to Poundstone Rock and the 10 fathom bank to the northward as possible. Previous dragging here was in 1917 and to an effective depth of around 25 feet.

Point Lena:

This completes the dragging of the shoal area off Point Lena.

It is said Mariners give this point a wide berth due to some kelp seen there at times. However, this survey shows no unknown dangers there, and this kelp must have been floating.

Tides:

Tides for sheet #6 were read at Auke Bay, Stephens Passage, S. E. Alaska.

Guiding and End Launches:

Dragging was done by ship and launch SCANDINAVIA with individual boat-sheet control.

Depth Coloring.

On the smooth sheet the system of coloring is as follows:

19 feet and under	- -	Brown
20 to 29 feet	- - - -	Yellow
30 to 39 "	- - - -	Blue
40 to 59 "	- - - -	Red
60 to 79 "	- - - -	Purple
80 feet and over	- - -	Orange.

Note: This report should be referred to Captain J. H. Hawley, for additional remarks that may seem desirable.

Charles Shaw
Comdg. Str. Explorer.

Statistics Sheet #6.

* * * * *

<u>Date</u>	<u>1923</u>	<u>Letter</u>	<u>Vol.</u>	<u>Positions.</u>	<u>Sdgs.</u>	<u>StatuteMi.</u>	<u>Vessels.</u>
May	31	A	1	11	--	1.5	EXPLORER & Scandinavia
June	1	B	1	22	--	3.0	" "

W. D. Sheet No 4311

This work consists of two drag strips, one in the vicinity of Pt. Lena and one west of Sentinel Island Light.

No area and depth tracing was prepared for this work. The drag work west of Sentinel Island Lt. was placed on the A. & D. sheet of W. D. 3985, while the drag work in the vicinity of Pt. Lena was applied to the A. & D. sheet of W. D. 3986.

No soundings were taken.

R. L. Johnston

E. O. E.

ADDRESS THE DIRECTOR
U. S. COAST AND GEODETIC SURVEY

AND REFER TO No. 4-DRM

DEPARTMENT OF COMMERCE
U. S. COAST AND GEODETIC SURVEY

WASHINGTON

May 2, 1924.

SECTION OF FIELD RECORDS

Report on Wire Drag Sheet No. 4311

Surveyed in 1923

Instructions dated Feb. 16 and Mar 3, 1923

Chief of Party, J. H. Hawley.

Surveyed by J. H. Hawley and Charles Shaw.

Protracted and inked by H. E. MacEwen.

Verified and Area and Depth Sheet by R. L. Johnston.

1. The wire drag work on this sheet consists of two strips, one in the vicinity of Poundstone Rock and the other in the vicinity of Pt. Lena. The work supplements the wire drag work on H. 3985 and H. 3986.
2. The records are good and conform to the requirements of the General Instructions.
3. The depth and extent of dragging satisfy the specific instructions.
4. No shoals were discovered.
5. There is sufficient overlap with the adjoining sheets.
6. No Area and Depth sheet was prepared for this sheet as the two strips were incorporated in the Area and Depth sheets for H. 3985 and H. 3986.
7. Rating of work (Character and scope of surveying - excellent
(Field drafting - excellent.
8. Reviewed by A. L. Shalowitz, May, 1924.

February 20, 1924.

Division of Hydrography and Topography:

Division of Charts:

Tide reducers are approved in
1 volumes of ~~soundings~~ for
Alaska Bay
HYDROGRAPHIC SHEET **4311**

Locality: **Favorite Channel, Lynn Canal, S. E. Alaska.**

Chief of Party: **J. H. Huxley in 1923.**

Plane of reference is ~~mean~~ **lower low water reading**
15.2 ft. on tide staff at Alaska Bay.

For reduction of soundings, condition of records satisfactory
except as checked below:

1. Locality and sublocality of survey omitted.
2. Month and day of month omitted.
3. Time meridian not given at beginning of day's work.
4. Time (whether A.M. or P.M.) not given at beginning of day's work.
5. Soundings (whether in feet or fathoms) not clearly shown in record.
6. Leadline correction entered in wrong column.
7. Field reductions entered in "Office" column.
8. Location of tide gauge not given at beginning of each day's work.
9. Leadline corrections not clearly stated.
10. Kind of sounding tube used not stated.
11. Sounding tube No. entered in column of "Soundings" instead of "Remarks".
12. Legibility of record could be improved.
13. Remarks.



Chief, Division of Tides and Currents.

DEPARTMENT OF COMMERCE
U. S. COAST AND GEODETIC SURVEY

HYDROGRAPHIC TITLE SHEET

The finished Hydrographic Sheet is to be accompanied by the following title sheet, filled in as completely as possible, when the sheet is forwarded to the Office.

U. S. Coast and Geodetic Survey.

Register No. #6 ~~4311~~

State . . . ~~S. E. Alaska~~

General locality . . . Lynn Canal ✓

Locality . . . ~~Favorite Channel~~ Vic. of Sentinel Island and Pt. Lena

Chief of party . . J. H. Hawley.

Surveyed by . J. H. Hawley and Charles Shaw.

Date of survey . May - June, 1923.

Scale . . 1 to 20,000

Soundings in . . Feet

Plane of reference . M. L. L. W.

Protracted by H. E. M. *McEwen* Soundings in pencil by

Inked by H. E. M. Verified by . . C. S. *Reg*

Records accompanying sheet (check those forwarded):

- 1 Des. report, ✓ 1 Tide books, --- Marigrams, 2 Boat sheets, ¹⁹²³ ✓
- Sounding books, 1 Wire-drag books, --- Photographs. *Reg. No. 3985*

Data from other sources affecting sheet

Remarks: